

CD223 (LAG3) Polyclonal Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ABV11713**Specification**

CD223 (LAG3) Polyclonal Antibody - Product Information

Application	FC, WB
Primary Accession	P18627
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57449

CD223 (LAG3) Polyclonal Antibody - Additional Information**Gene ID** 3902

Positive Control	IHC, FC, WB
Application & Usage	IHC-P: 1:10~50, FC: 1:25, WB: 1:1000
Other Names	
Lymphocyte activation gene 3 protein, LAG-3, Protein FDC, CD223, LAG3, FDC	

Target/Specificity

LAG3

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

PBS with 0.09% (W/V) sodium azide.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

CD223 (LAG3) Polyclonal Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

CD223 (LAG3) Polyclonal Antibody - Protein Information

Name LAG3 ([HGNC:6476](#))

Synonyms FDC

Function

Lymphocyte activation gene 3 protein: Inhibitory receptor on antigen activated T-cells (PubMed:7805750, PubMed:8647185, PubMed:20421648). Delivers inhibitory signals upon binding to ligands, such as FGL1 (By similarity). FGL1 constitutes a major ligand of LAG3 and is responsible for LAG3 T-cell inhibitory function (By similarity). Following TCR engagement, LAG3 associates with CD3-TCR in the immunological synapse and directly inhibits T-cell activation (By similarity). May inhibit antigen-specific T-cell activation in synergy with PDCD1/PD-1, possibly by acting as a coreceptor for PDCD1/PD-1 (By similarity). Negatively regulates the proliferation, activation, effector function and homeostasis of both CD8(+) and CD4(+) T-cells (PubMed:7805750, PubMed:8647185, PubMed:20421648). Also mediates immune tolerance: constitutively expressed on a subset of regulatory T-cells (Tregs) and contributes to their suppressive function (By similarity). Also acts as a negative regulator of plasmacytoid dendritic cell (pDCs) activation (By similarity). Binds MHC class II (MHC-II); the precise role of MHC-II-binding is however unclear (PubMed:8647185).

Cellular Location

[Lymphocyte activation gene 3 protein]: Cell membrane; Single-pass type I membrane protein

Tissue Location

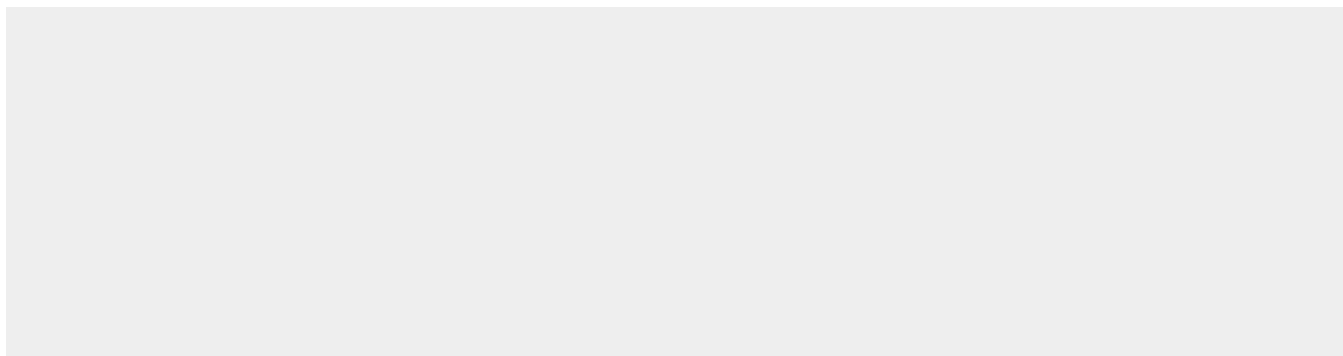
Primarily expressed in activated T-cells and a subset of natural killer (NK) cells.

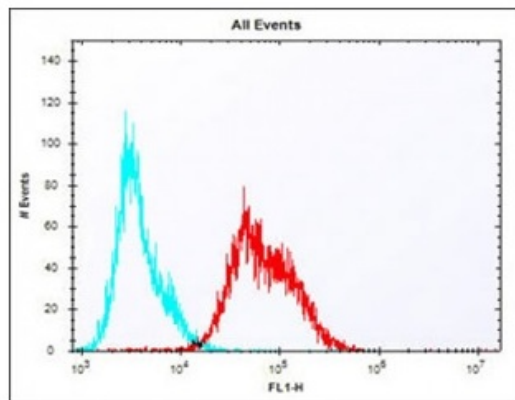
CD223 (LAG3) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

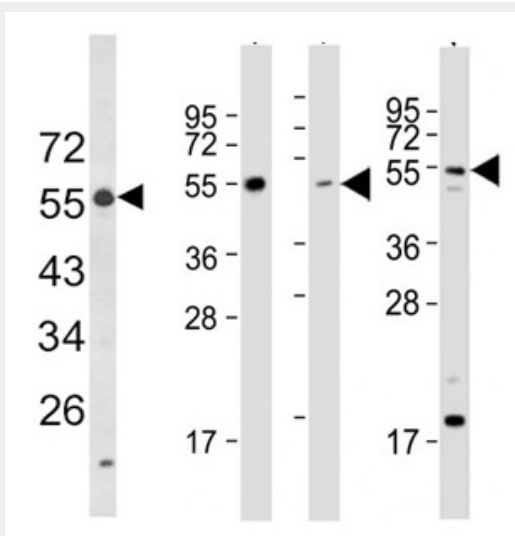
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CD223 (LAG3) Polyclonal Antibody - Images





Lane1: K562 cell line lysates; Lane2: Human ovary lysate; Lane3: Mouse liver lysate; Lane4: A2058 whole cell lysate



Overlay histogram showing Jurkat cells stained with LAG 3 antibody (red line).

CD223 (LAG3) Polyclonal Antibody - Background

Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains. Involved in lymphocyte activation. Binds to HLA class-II antigens.